

**Work Order ID 86939****\*86939\***

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July-09-12 2:53:15 PM

Item ID: D3297-1-0098

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: HOSE ASS'Y

Start Date: 7/09/12 Start Qty: 5.00

**\*5\***

Cust Item ID:

Required Date: 8/10/12 Req'd Qty: 5.00

**\*5\***

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 12/07/10

Tooling:

Date:

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3297	Rev D								

100

0.00

**\*100\***

PURCHASING

Purchasing

Memo

0.00

Purchasing

Create D2729-1 label and include with W/O

Issue P/O: 17415

Hose Assembly as per Dwg D3297

Possible Supplier: API

Material release note is required

12/07/10  
(5)

110

Receive &amp; Inspect for Damage &amp; Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

12/7/10 (5)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 86939

**\*86939\***

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July-09-12 2:53:15 PM

Item ID: D3297-1-0098 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: HOSE ASS'Y  
 Start Date: 7/09/12 Start Qty: 5.00 **\*5\*** Cust Item ID:  
 Required Date: 8/10/12 Req'd Qty: 5.00 **\*5\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 0.00							
130 <b>*130*</b> Small Fab Small Fab	Small Fab  Memo Install D2729-1 as per Dwg D3297 using D2182-045 Heat Shrink Batch: <u>B21864</u>	0.00 0.00							
140 <b>*140*</b> Packaging Packaging	Identify as per dwg & Stock Location: <u>191</u>  Memo	0.00 0.00							

DAS  
16  
9-83  
12/07/16

(14)

5 12-07-18

(51) 12-7-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

**Work Order ID 86939****\*86939\***

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July-09-12 2:53:15 PM

Item ID: D3297-1-0098

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: HOSE ASS'Y

Start Date: 7/09/12 Start Qty: 5.00

**\*5\***

Cust Item ID:

Required Date: 8/10/12 Req'd Qty: 5.00

**\*5\***

Customer:

Reference:


Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC21- Final Inspection - Work Order Release	0.00							
<b>*150*</b>									
QC	Memo	0.00							
Quality Control									

12/7/19 ME  
12-07-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Page 1

Work Order ID: 86939

Parent Item: D3297-1-0098

Parent Item Name: HOSE ASS'Y

Start Date: 7/09/12

Required Date: 8/10/12

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP: B04.11.09Added Step 5KJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156001-6D0096 HOSE ASS'Y		Purchased	No			110	Each	0.0000	1	5		7/12/12 (5)	
D2182-045 Heat Shrink 4.5" Long		Manufactured	No	B 21864		130	Each	0.0000	1	5	FF	12-07-18	
D2729-1 Dart Logo label		Manufactured	No	B 86939		130	Each	0.0000	1	5	FF	12-07-18	

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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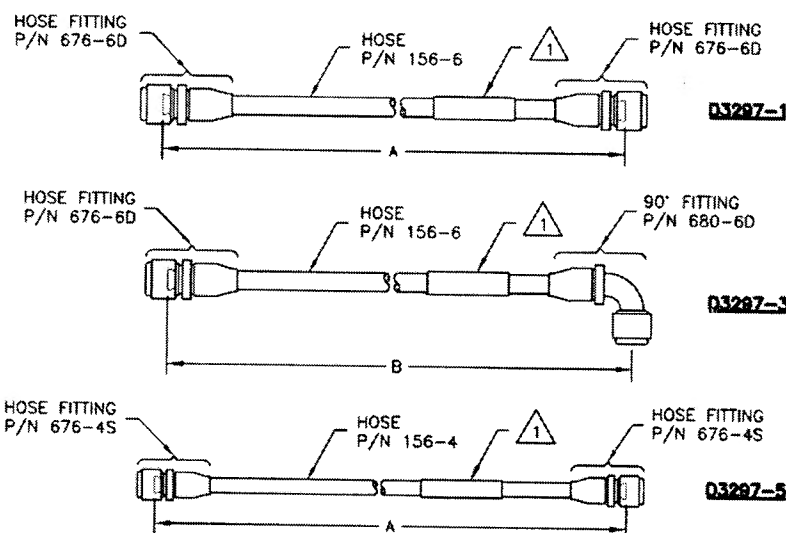
**NOTE:** Date & initial all entries





DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3297	REV. D SHEET 1 OF 1
DATE 05.01.21	TITLE HOSE ASSEMBLIES		SCALE NTS
A	04.07.06	NEW ISSUE	
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N	
C	04.11.18	T50 CORRECTED TO TSO	
D	05.01.21	CORRECT STRATOFLEX P/N	

RELEASED  
05.01.21



SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 86939  
12/07/10

HOSE SPECIFICATION				
DART P/N	STRATOFLEX P/N	VENDOR	A	B
D3297-1-0098	156001-6D0096	API	9.75	
D3297-1-0130	156001-6D0130	API	13.00	
D3297-1-0121	156001-6D0121	API	12.13	
D3297-3-0085	156005-6D0085	API		8.50
D3297-3-0210	156005-6D0210	API		21.00
D3297-3-0350	156005-6D0350	API		35.00
D3297-5-0410	156001-4S0410	API	41.00	

D3297-1-XXXX HOSE ASSEMBLY } WHERE XXXX REPRESENTS  
D3297-3-XXXX HOSE ASSEMBLY } HOSE LENGTH IN TENTHS OF INCH  
D3297-5-XXXX HOSE ASSEMBLY }

EG: 12.125" LONG: D3297-1-0121  
41.00" LONG: D3297-5-0410  
8.50" LONG: D3297-3-0085

NOTES:

- 1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

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# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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NOTE: Date & initial all entries



API  
2461 46th Ave.  
LACHINE QC H8T 3C9  
CANADA

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07/13/2012 13:43:55

# Pack List

**Shipping Address**

DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

**Forwarding Agent's Address****Shipping Instructions**

Detailed Shipping Instructions at the  
end of the document

**Packing Instructions**

Detailed Packing Instructions at the  
end of the document

**Information**

Document Number	81026666
Document Date	07/13/2012
Purchase Order No.	PO17405
Purchase Order Date	07/10/2012
Sales Order Number	914239
Sales Order Date	07/10/2012
Customer Number	6100481
Shipping Conditions	Standard OtherGround
Incoterms	
Cust Ship Acct	
Delivery Date	07/13/2012
Bill of Lading	

Total Volume	0.014 IN3
Carrier	PUROLATOR COURIER

Item	Material	Material Description	Quantity	Weight	Batch Num
10	156005-6D-0085	156-6 HOSE ASSEMBLY			
	Batches				
	0002782056 (PO:4500183192)		4 EA	0 LB	
20	156005-6D-0210	156-6 HOSE ASSEMBLY			
	Batches				
	0002782057 (PO:4500183192)		5 EA	0 LB	
30	156001-6D-0096	156-6 HOSE ASSEMBLY			
	Batches				
	0002782055 (PO:4500183192)		5 EA	0 LB	

**Shipping and Packing Instructions****\*\*CERTIFICATE OF CONFORMANCE\*\***

I hereby certify that the aircraft parts described hereon were acquired from a source of supply that is consistent with the conditions under which Transport Canada distributor approval number 77-98 has been granted.

Authorized Signature

*Rw*

AO # 77-98  
API # 11



Date 07/11/2012

We hereby certify that all the above parts, including all materials, have been manufactured, tested, inspected and packed in conformance with all of the requirements of your order and the applicable government specifications & standards. Records of tests, inspection and certification indicating the above conformance are on file at Aerospace Products International and are available for your examination.

It is further certified that on any hose assemblies marked with a TSO, parts and/or materials reflected therein were produced under Federal Aviation Administration approved manufacturing quality control systems/methods as set forth in the FAA issued technical standard order authorized (TSOA) issued to Stratoflex and (b) such parts and/or material are new and are in condition for safe operation.

If applicable, satisfactory compliance with the conditions and test required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

For API

David H. ...